15

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :- Detailed Estimate for Improvements to Cement Concrete ~~Roads~~ Drains in Karekallu Colony in Ward.No. 14, Bangalore.

Estimated Cost Rs. 20.00 Lakhs

ASSISTANT EXECUTIVE ENGINEER

T.DASARAHALLI SUB DIVISION,

B.B.M.P, BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :- Improvements to Cement roads in Karekallu Colony in ward No-14 T.Dasarahalli Sub Division

			Est. Cost Rs.				20.00	Lakhs	
Sl. No	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.150/I.19.2 PW, P & IWTD - SR 2012-13)	Cum							
	1st Cross at Karekallu Colony		2	52.00	1.20	1.00	124.80		
			2	49.00	1.20	1.00	117.60		
	2nd Cross at Karekallu Colony		2	52.00	1.20	1.00	124.80		
			1	36.00	1.20	1.00	43.20		
							410.40	81.00	**33242**
	Basic Rate	75.00							
	Add Area Weightage 8%	6.00							
	Total	**81.00**							
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PW, P & IWTD - SR 2012-13)	Cum							
	1st Cross at Karekallu Colony		2	52.00	1.20	0.15	18.72		
			2	49.00	1.20	0.15	17.64		
	2nd Cross at Karekallu Colony		2	52.00	1.20	0.15	18.72		
			1	36.00	1.20	0.15	6.48		
							61.56	3812.82	**234717**
	Basic Rate	3597.00							
	Add Area Weightage 6%	215.82							
	Total	**3812.82**							

3	KSRB 4-2.2: Providing and laying in position plain cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.8 cum and fine aggregates @0.459cum, with superplastisiser @3lts confirming to IS9103-1999 Reafirmed-2008, machine mixed, concrete laid in layers not blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.11) PW, P & IWTD - SR 2012-13)	Cum							
	For Bottom								
	1st Cross at Karekallu Colony		2	52.00	1.20	0.15	18.72		
			2	49.00	1.20	0.15	17.64		
	2nd Cross at Karekallu Colony		2	52.00	1.20	0.15	18.72		
			1	36.00	1.20	0.15	6.48		
	For Sides								
	1st Cross at Karekallu Colony		2x2	52.00	0.15	0.60	18.72		
			2x2	49.00	0.15	0.60	17.64		
	2nd Cross at Karekallu Colony		2x2	52.00	0.15	0.60	18.72		
			2	36.00	0.15	0.60	6.48		
							123.12	5142.06	**633090**
	Basic Rate	4851.00							
	Add Area Weightage 6%	291.06							
	Total	**5142.06**							
4	KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.19/I.4.46) PW, P & IWTD - SR 2012-13)	q							
	For Bottom & Sides		123.12	Kg/Cum	45.00		5540.40		
						Say	**55.40**	6781.00	**375695**
	Basic Rate	6781.00							
	Add Area Weightage 6%	406.86							
	Total	**6781.00**							
5	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.17/I.4.31) PW, P & IWTD - SR 2012-13)	Sqm							
	1st Cross at Karekallu Colony		2x4	52.00		0.60	249.60		
			2x4	49.00		0.60	235.20		
	2nd Cross at Karekallu Colony		2x4	52.00		0.60	249.60		
			2x2	36.00		0.60	86.40		
							820.80	239.56	**196631**
	Basic Rate	226.00							
	Add Area Weightage 6%	13.56							
	Total	**239.56**							

6	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertic ace to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
	As per Approved Rates		2	52.00	0.90		93.60		
			2	49.00	0.90		88.20		
			2	52.00	0.90		93.60		
			1	36.00	0.90		32.40		
							307.80	1600.00	**492480**
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 148 Item No. 17.1 PWD SR 2012-13**	Cum							
			Qty Vide Item No. 1				**410.40**	78.24	**32108**
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							
	Add Area Weightage 8%	5.80							
	Total	**78.24**							
8	Miscellaneous and Unforeseen Charges etc..,	LS							**2037**
								Total	**2000000**

(Rupees Twenty Lakhs Only)

CERTIFICATE

1) The Work spot has been inspected and the work is found to be necessary
2) The Estimate is prepared as per the PW,P & IWTD - SR - 2012-13
3) The Provision made in estimate are adequante and essential
4) This area comes under B.B.M.P Limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

No. JC(DH) AS 543/12-13 Dated : 30/01/13
Rs 20.00 Lakhs (Rupees Twenty Lakhs only)
Page no. 077
Sl. no. 543

ನಂ. EE/DD/TS/341/12-13 ದಿನಾಂಕ 31/01/2013
ರೂ.20.00 Lakhs (Rupees Twenty Lakhs only)

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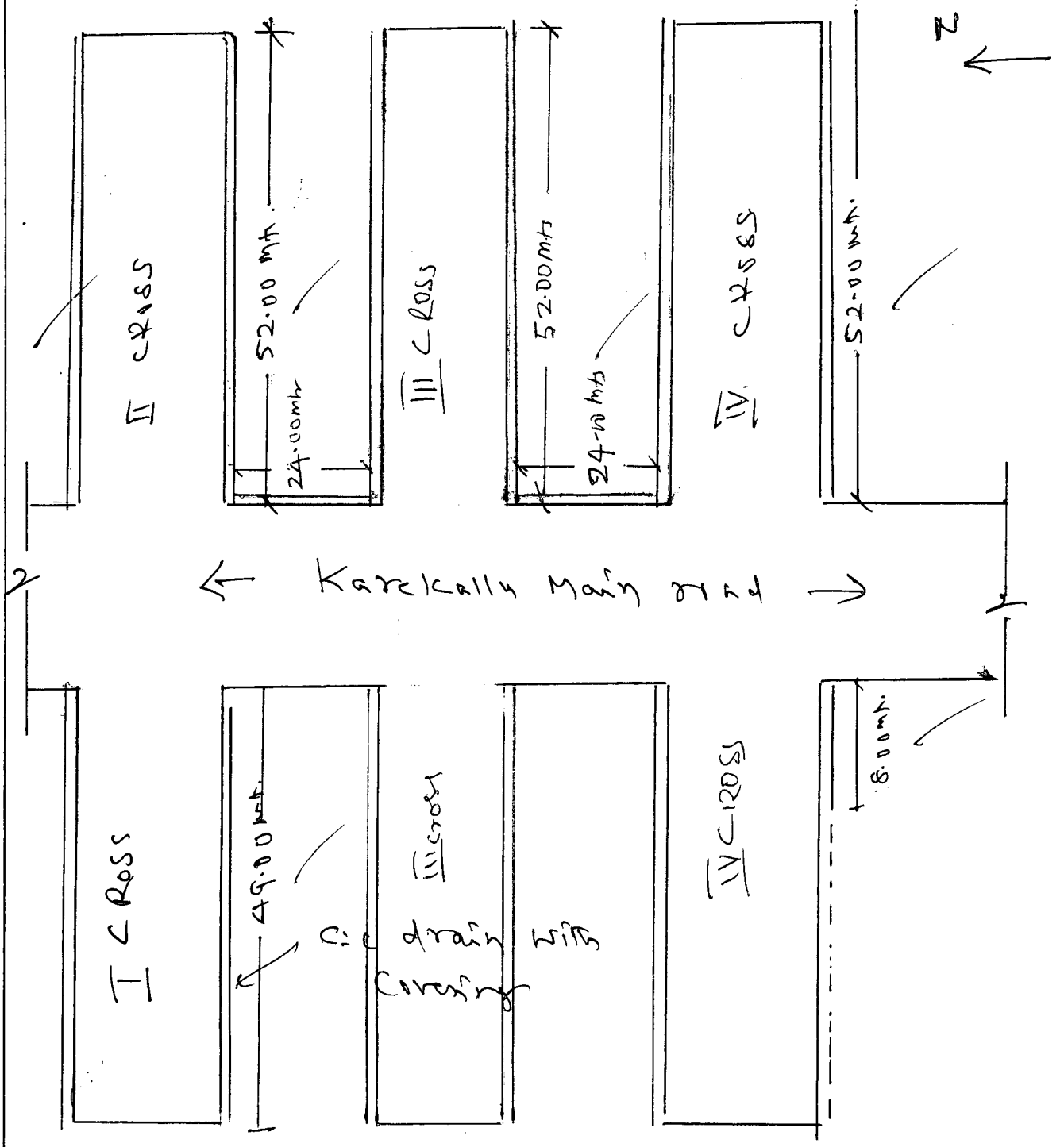
Name of Work: Improvement of Cement Concrete ~~Drains~~ in Karekallu Colony in Ward No. 14.



E.E.

Executive Engineer
Bangalore Mahanagara Palike
R.R. Nagar Zone
Bangalore - 560 073